

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2004/051329

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B10/155

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B G01B G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 718 990 A (AT & T CORP) 26 June 1996 (1996-06-26) abstract column 4, lines 40-56 column 5, lines 21-57 column 6, lines 8-35 figures 1,3,4	1-14
A	WO 01/25847 A (MASSACHUSETTS INST TECHNOLOGY) 12 April 2001 (2001-04-12) abstract page 2, line 20 - page 3, line 9 page 4, lines 15-27; figures 1,3,5 ----- -/--	1-14

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

25 November 2004

Date of mailing of the international search report

03/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 2002/196508 A1 (WEI HAIQING ET AL) 26 December 2002 (2002-12-26) abstract paragraphs '0002!, '0011!, '0021!, '0071!, '0081!; figures 15,16 -----	1-14
A	US 4 753 529 A (LAYTON MICHAEL R) 28 June 1988 (1988-06-28) the whole document -----	

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Information on patent family members

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			CA	2161821 A1		22-06-1996
			EP	0718990 A2		26-06-1996
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			WO	0125847 A1		12-04-2001
US 2002196508	A1	26-12-2002	NONE			
US 4753529	A	28-06-1988	NONE			